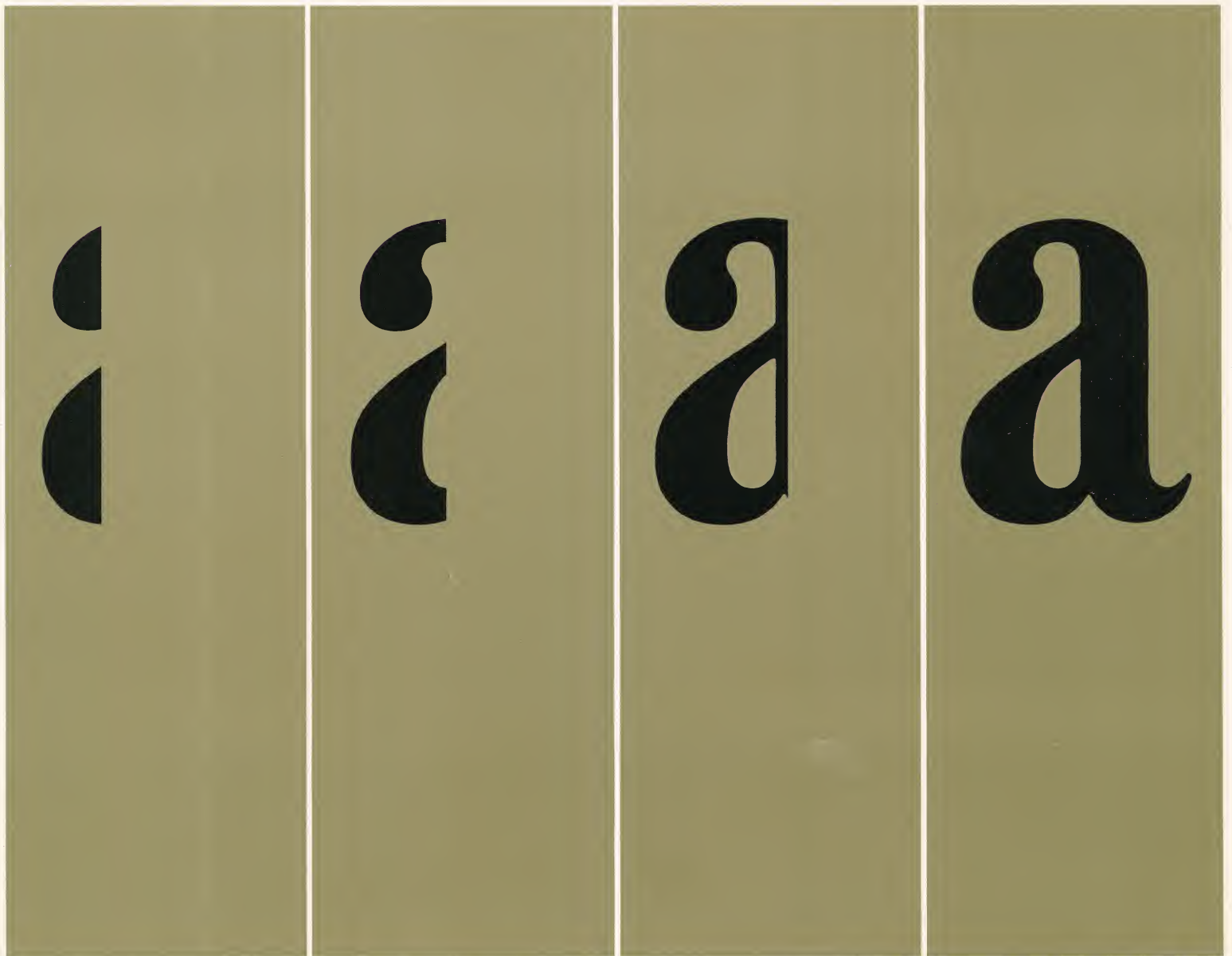
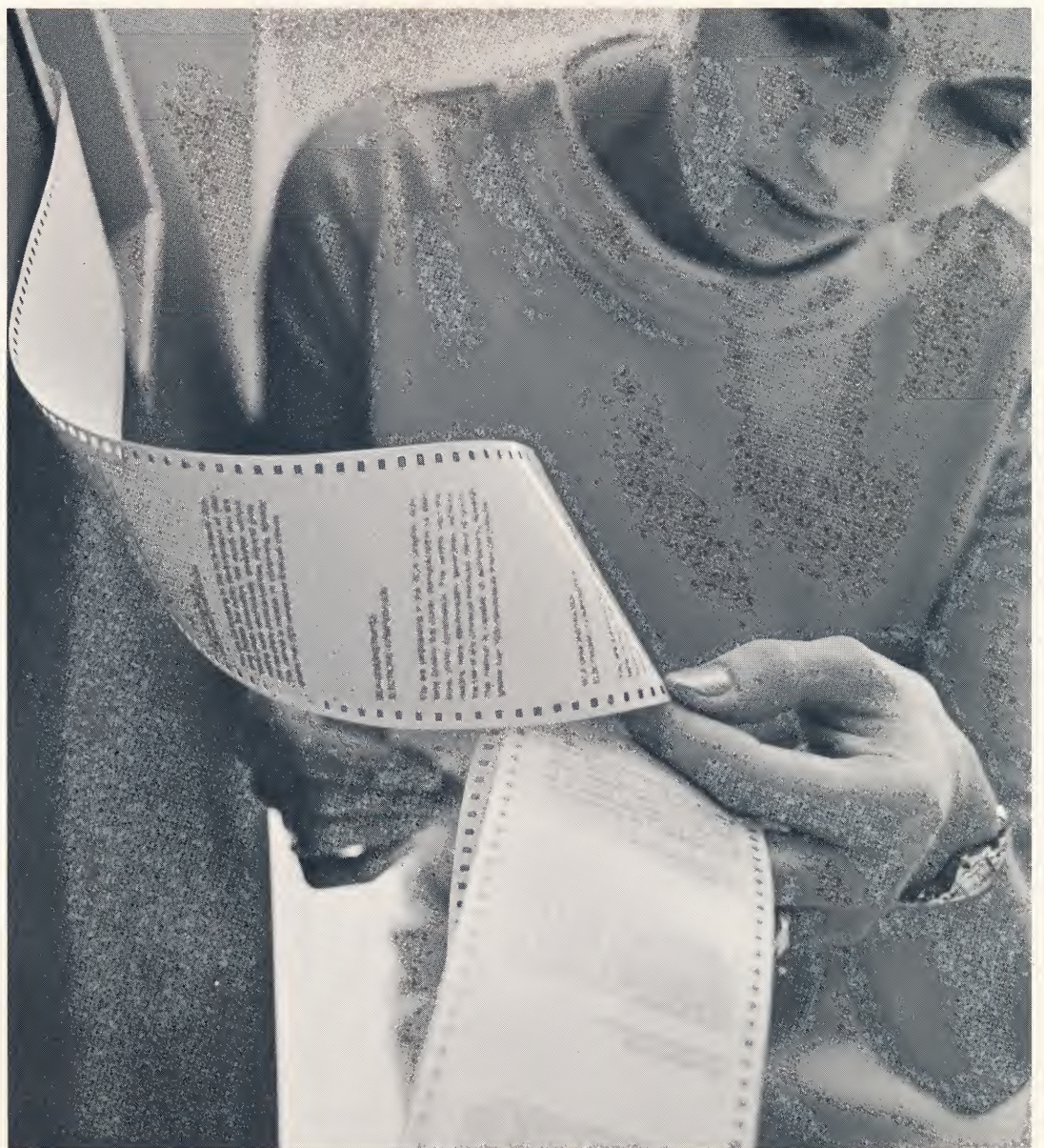


RCA GRAPHIC 70

VIDEOCOMP 70/820 ... Instant Electronic Type Composition



RCA VIDEOCOMP 70/820...A GRAPHIC INNOVATION



MOVABLE TYPE TO MOVABLE DOTS

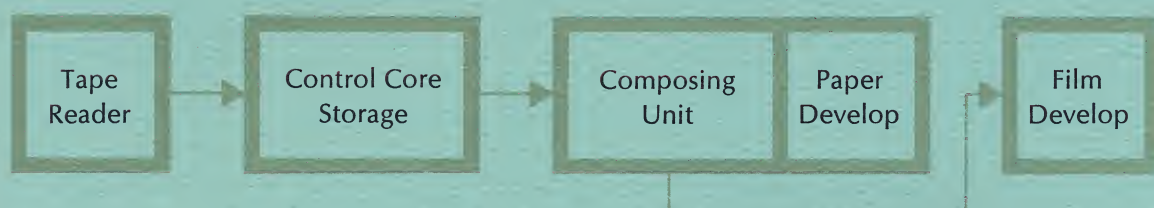
Movable type started a revolution by making information available quickly and economically. It gave us the ability to store and dispense knowledge through the printed word. It made society increasingly literate . . . and increasingly dependent on its literacy.

The end result of this revolution is today's information explosion. More people buy more newspapers, books and magazines, read more advertising literature, and look up more information in directories, dictionaries, and manuals than ever before. Thus, today type must be set more quickly and more accurately.

There's a new typesetting method that does just that by breaking movable type into movable electronic dots. It's called electronic type composition. It's faster, more flexible and more economical than any method yet.

And—it's here . . . in RCA's new GRAPHIC 70/820 VIDEOCOMP typesetter.





VIDEOCOMP 70/820

HOW IT WORKS

The VIDEOCOMP typesetter is a fast, versatile, all-electronic method of setting type. It's fast because only electronic dots are moved—not fonts or discs. It's versatile because electronic dots require so little space. The VIDEOCOMP typesetter can set Cheltenham or Century, Gothic or Garamond, in thousandths of a second. You name the type face and the size—from four to 24 point.

It's an entirely new concept. Now typesetting is free from mechanical limitations. Nothing solid must be moved.

This technique is so flexible that you can store and write any letter, from Chinese ideographs to Cyrillic alphabet, to Old Testament Hebrew . . . even scientific, mathematical and engineering symbols.

We do it by breaking each character into dot segments. Just as Gutenberg broke a string of words into letters, RCA breaks a letter into dots . . . thousands of them for the finest resolution.

The dots are reduced to computer language and placed in an electronic memory. That's your type face. You can store a variety of faces in a VIDEOCOMP memory . . . and a virtually unlimited number on paper or magnetic tape. And you can change faces in only seconds.



Your computer automatically hyphenates and justifies copy, and provides all the instructions for letter size, style and format. When the VIDEOCOMP typesetter reads this information, it pulls the correct character (array of dots) from memory. The characters are flashed on a cathode ray tube, exposed through a precision lens onto sensitized paper, developed, dried and even sheeted if desired. The VIDEOCOMP typesetter also handles film.

SPEED TO SPARE

The RCA VIDEOCOMP typesetter is fast. How fast? Let's see . . .

- ☐ up to 650 characters per second
- ☐ up to 900 lines per minute
- ☐ over two million characters an hour
- ☐ a standard newspaper page in about 2 minutes

VIDEOCOMP's speed is equivalent to the output from 100 manual typesetters . . . that's fast.



A NEW ORDER OF FLEXIBILITY

The VIDEOCOMP typesetter uses electronic dots for speed . . . and for flexibility. After all, what's faster and more flexible than electronic dots? You can move them in thousandths of a second and re-arrange them to suit your needs.

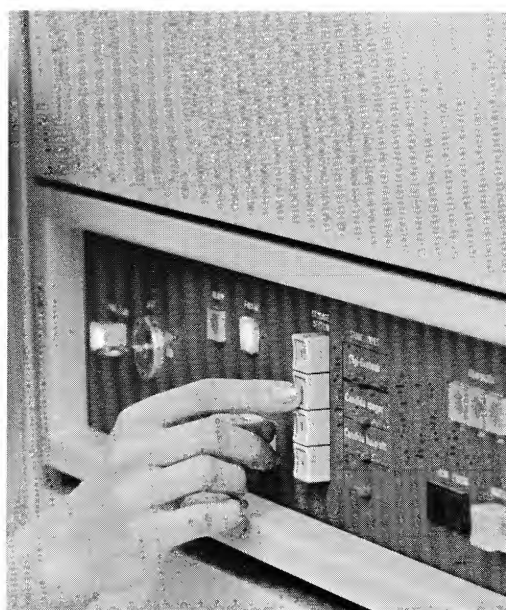
A VIDEOCOMP typesetter easily produces variations in type size, it expands or compresses letters—even obliques.

You can set new fonts within a line . . . have underwriting and overwriting (such as accent marks for foreign languages) . . . vary line lengths to accommodate "run-around" photographs . . . and lay out different column widths within a 32.5 pica measure.

AND ECONOMY TOO

Of course, a VIDEOCOMP typesetter costs much more than a linecaster . . . but then it does much more. Per line of copy, it is one of the best buys on the market. And the economy doesn't stop there.

You have no investment in lead . . . it eliminates space problems . . . and proofing is done directly on the machine.

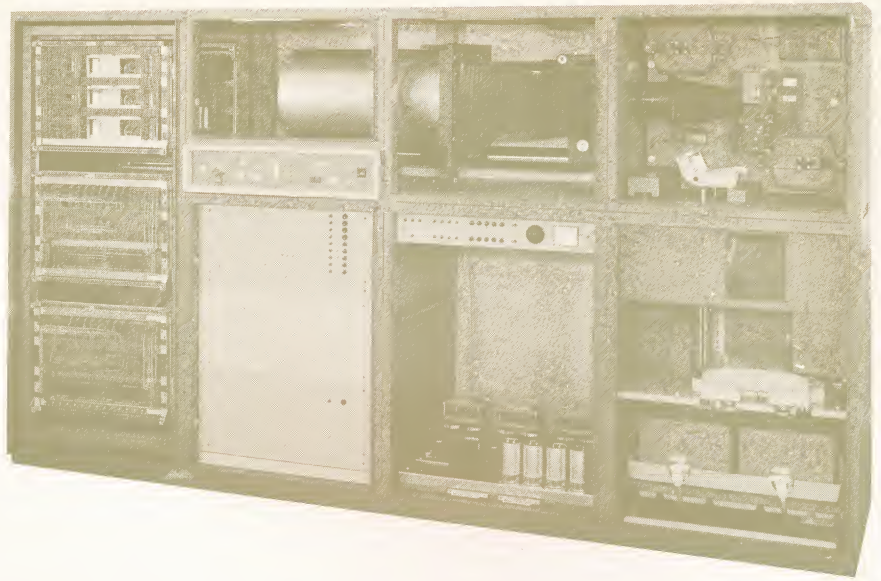


Reliability? The VIDEOCOMP typesetter uses solid-state circuitry throughout. And its only moving part is the film/paper advance. You also have the world-wide RCA Service Company standing by to assure that your equipment remains productive. Problems are easily isolated and repaired because of the system's building block principle.

Simplicity? The VIDEOCOMP typesetter is easy to operate. In fact, one man—trained in a matter of days—can handle the system because its operations are practically automatic.

Versatility? The system handles . . . newspapers, catalogs, directories, tabulations, formulae, phone books . . . tasks involving massive quantities of information and a variety of type styles and sizes . . . quickly, precisely and economically.

The VIDEOCOMP typesetter is the first of RCA's GRAPHIC 70 Systems—a series of exciting electronic tools that are breaking new ground in the printing field.



RCA VIDEOCOMP 70/820 TYPESETTER FACTS AND FIGURES

SPEED: 4 to 12 point up to 650 characters
per second; 8 to 24 point up to
325 characters per second

INPUT: Paper or magnetic tape

OUTPUT: Photographic paper or film, 2.75,
4 or 6 inches in width

LINE WIDTH: Up to 32.5 picas

FILM LENGTH: 300 ft.

PAPER LENGTH: 200 ft.



The Most Trusted Name in Electronics

for further information, phone or write:
RCA GRAPHIC SYSTEMS DIVISION
PRINCETON, NEW JERSEY
Phone: 609-452-2771